

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,773,892 B1  
DATED : August 10, 2004  
INVENTOR(S) : Richard C. Deth

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 4,

Line 21, "G<sub>5</sub>" should read -- G<sub>s</sub> --;

Column 10,

After line 2, please insert the Sequence Listing as follows:

**SEQUENCE LISTING**

<110> Deth, Richard C.

<120> METHODS OF IDENTIFYING AND DETERMINING  
THE EFFECTIVENESS OF THERAPEUTIC PROCESSES OR AGENTS FOR THE  
TREATMENT OF SCHIZOPHRENIA AND RELATED DISORDERS

<130> NU-431AX

<140> 09/550,103

<141> 2000-04-14

<150> 08/833,703

<151> 1997-08-08

<160> 1

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 387

<212> PRT

<213> Homo sapien

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Column 10 (cont'd),

<400> 1

Met	Gly	Asn	Arg	Ser	Thr	Ala	Asp	Ala	Asp	Gly	Leu	Leu	Ala	Gly	Arg
1				5					10					15	
Gly	Pro	Ala	Ala	Gly	Ala	Ser	Ala	Gly	Ala	Ser	Ala	Gly	Leu	Ala	Gly
		20						25					30		
Gln	Gly	Ala	Ala	Ala	Leu	Val	Gly	Gly	Val	Leu	Leu	Ile	Gly	Ala	Val
		35					40					45			
Leu	Ala	Gly	Asn	Ser	Leu	Val	Cys	Val	Ser	Val	Ala	Thr	Glu	Arg	Ala
		50				55					60				
Leu	Gln	Thr	Pro	Thr	Asn	Ser	Phe	Ile	Val	Ser	Leu	Ala	Ala	Ala	Asp
65					70				75					80	
Leu	Leu	Leu	Ala	Leu	Val	Leu	Pro	Leu	Phe	Val	Tyr	Ser	Glu	Val	
			85					90					95		
Gln	Gly	Gly	Ala	Trp	Leu	Leu	Ser	Pro	Arg	Leu	Cys	Asp	Ala	Leu	Met
			100					105					110		
Ala	Met	Asp	Val	Ala	Leu	Cys	Thr	Ala	Ser	Ile	Phe	Asn	Leu	Cys	Ala
		115					120					125			
Ile	Ser	Val	Asp	Arg	Phe	Val	Ala	Val	Ala	Val	Pro	Leu	Arg	Tyr	Asn
		130				135					140				
Arg	Gln	Gly	Gly	Ser	Arg	Arg	Gln	Leu	Leu	Leu	Ile	Gly	Ala	Thr	Trp
145					150				155					160	
Leu	Leu	Ser	Ala	Ala	Val	Ala	Ala	Pro	Val	Leu	Cys	Gly	Leu	Asn	Asp
			165					170					175		
Val	Arg	Gly	Arg	Asp	Pro	Ala	Val	Cys	Arg	Leu	Glu	Asp	Arg	Asp	Tyr
		180						185				190			
Val	Val	Tyr	Ser	Ser	Val	Cys	Ser	Phe	Phe	Leu	Pro	Cys	Pro	Leu	Met
		195				200					205				
Leu	Leu	Leu	Tyr	Trp	Ala	Thr	Phe	Arg	Gly	Leu	Gln	Arg	Trp	Glu	Val

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Column 10 (cont'd).

210	215	220
Ala Arg Arg Ala Lys Leu His Gly Arg Ala Pro Arg Arg Pro Ser Gly		
225	230	235
Pro Gly Pro Pro Ser Pro Thr Pro Pro Ala Pro Arg Leu Pro Gln Asp		240
	245	250
Pro Cys Gly Pro Asp Cys Ala Pro Pro Ala Pro Gly Leu Pro Pro Asp		255
	260	265
Pro Cys Gly Ser Asn Cys Ala Pro Pro Asp Ala Val Arg Ala Ala Ala		270
	275	280
Leu Pro Pro Gln Thr Pro Pro Gln Thr Arg Arg Arg Arg Arg Ala Lys		285
	290	295
Ile Thr Gly Arg Glu Arg Lys Ala Met Arg Val Leu Pro Val Val Val		300
	305	310
Gly Ala Phe Leu Leu Cys Trp Thr Pro Phe Phe Val Val His Ile Thr		315
	325	330
Gln Ala Leu Cys Pro Ala Cys Ser Val Pro Pro Arg Leu Val Ser Ala		335
	340	345
Val Thr Trp Leu Gly Tyr Val Asn Ser Ala Leu Asn Pro Val Ile Tyr		350
	355	360
Thr Val Phe Asn Ala Glu Phe Arg Asn Val Phe Arg Lys Ala Leu Arg		365
	370	375
Ala Cys Cys		380
385		

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Column 10 (cont'd).

Line 4, please insert new claim 1 as follows:

--A method of identifying an agent for treating schizophrenia or a related neuropsychiatric disorder wherein said related neuropsychiatric disorder has the feature of involving modification of dopamine D4 receptor-linked phospholipid methylation and wherein said method comprises the steps of:

(a) establishing an assay system comprising a cultured cell line, said cultured cell line either naturally expressing D4 receptors or transfected with the D4 receptor gene;

(b) making an initial determination of the level of phospholipid methylation in cells of said cell line;

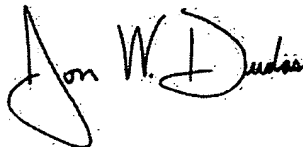
(c) administering to cells of said cell line the candidate agent to be assessed;

(d) making a subsequent determination of the level of phospholipid methylation in cells of said cell line; and

(e) comparing the corresponding levels of phospholipid methylation from steps (b) and (d), wherein an increase in the level of phospholipid methylation subsequent to administration of the candidate agent indicates that the agent is potentially therapeutically effective for treating schizophrenia or said related neuropsychiatric disorder.--.

Signed and Sealed this

Twenty-seventh Day of September, 2005



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*